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(54) Title: **CORRECTED PARAMETER CONTROL METHOD FOR A TWO-SHAFT GAS TURBINE**

(57) Abstract: A corrected parameter control method for a two-shaft gas turbine, of the type in which the protection of the said turbine is provided by a first control loop which controls the opening of fuel valves to keep the gas temperature T_{fire} at the inlet to a first wheel of the said turbine and the fuel/air ratio F/A within specified limits: this control is provided in such a way that the exhaust temperature T_X has values calculated by a linear approximation, in other words as the sum of a reference temperature T_{Xbase} to which are added corrections relating to a single environmental or operating parameter which differs from the reference parameter; a second control loop, which controls the opening of a valve (bleed valve) located between the outlet of the axial compressor and the atmosphere, controls the F/A ratio: this control is provided in such a way that the exhaust temperature has values calculated by a linear approximation.



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